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National Marine Fisheries Service
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Australian National University

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WorldFish Center

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Faculty of Economics and Management
University of Agriculture Malaysia

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PUBLICATIONS:

Refereed Economics Journals

97. Sun, C.-H., F.-S. Chiang, P. Guillotreau, D. Squires, D.G. Webster, and M. Owens. In press. "Fewer Fish for Higher Profits? Price Response and Economic Incentives in Global Tuna Fisheries Management." *Environmental and Resource Economics*.
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35. Squires, D., J. Kirkley, and C. Tisdell. 1995. "Individual Transferable Quotas as a Fishery Management Tool." *Reviews in Fisheries Science* 3(2): 141-169.
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32. Salvanes, K. and D. Squires. 1995. "Transferable Quotas, Enforcement Costs and Typical Firms: An Empirical Application to the Norwegian Trawler Fleet." *Environmental and Resource Economics* 6(1): 1-21.
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29. Squires, D., M. Alauddin, and J. Kirkley, 1994. "Individual Transferable Quota Markets and Investment Decisions in the Fixed Gear Sablefish Industry," *Journal of Environmental Economics and Management* 27(2): 185-204.
28. Squires, D. and S. Tabor. 1994. "The Absorption of Labor in Indonesian Agriculture," *Journal of the Developing Economies*, 32(2): 167-187.
27. Alauddin, M., D. Squires, and C. Tisdell, 1994. "Efficiency, Linkage and Factor-Proportion Approaches to Planning: An Inter-Industry Comparative Analysis," *Indian Journal of Quantitative Economics* 9(1): 1-16.
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- Lent, R. and D. Squires. Invited revise and resubmit. "Reducing Marine Mammal Bycatch in Global Fisheries: *An Economics Approach*" *Deep Sea Research*.
- Squires, D., M. Maunder, R. Allen, P. Andersen, K. Astorkiza, G. Caballero, R. Clarke, H. Ellefsen, P. Guillotreau, J. Hampton, R. Hanneson, E. Havice, M. Helvey, S. Herrick, Jr., K. Hoydan, V. Maharaj, R. Metzner, I. Mosqueira, A. Parma, I. Prieto-Bowen, V. Restrepo, S. Sidique, S. Steinsham, E. Thunberg, I. del Valle, and N. Vestergaard. Invited revise and resubmit. "Rights-Based Management by Fishing Effort." *Fish and Fisheries*.
- Squires, D. and N. Vestergaard. Under review. "Rethinking the Commons Problem."
- Helvey, M., C. Pomeroy, N. Pradhan, D. Squires, and S. Stohs. Under review. "Can the United States Have Its Fish and Eat It Too?"
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Operations Research, University of Queensland 1990
Introduction to Macroeconomic Theory, University of California San Diego 2003-2005
Introduction to Environmental and Resource Economics, Scripps Institution of Oceanography 2003-present
International Environmental Economics, University of California San Diego, 2004
Economics of Conservation, University of California San Diego, 2009-present
The Economics of Marine Resources, FAME, University of Southern Denmark, 2011

RECENT PROFESSIONAL ACTIVITIES:

Scientific Advisory Committee, International Sustainable Seafood Foundation. 2009-present.

Scientific and Technical Advisory Committee, International Pole and Line Foundation, 2014-present.

Co-organizer of Bycatch Session at International Institute of Fisheries Economics and Trade Biannual Meeting. Aberdeen, Scotland, July 2016.

Co-organizer of Workshop on Deep Seabed Mining Payment (Fiscal) Regime. University of California San Diego Center for Environmental Economics and Scripps Institution of Oceanography, May, 2016.

Workshops on Tuna Bycatch, Honolulu Hawaii in March 2015 and Majuro, Marshall Islands August 2015.

Co-organizer of Workshop on Deep Seabed Mining. Rockefeller Bellagio Conference Center, October 2015.

Keynote Speaker, CLIOTOP Symposium, San Sebastian, Spain, September 2015.

Co-organizer of Workshop on the Economics of Bycatch. Institut de recherche pour le développement (IRD), Sète, France, September, 2015.

CLIOTOP 2014-

Keynote Speaker, International Institute of Fisheries Economics and Trade Conference, Brisbane Australia, July 2014.

Deep Ocean Stewardship Initiative Experts Workshop on Environmental Impact Assessments on Deep Seabed Mining, La Jolla, March 2014

European Commission, Ministerial Global Fishing Capacity Conference – Less Is More, Thessaloniki Greece, March 2014

International Seafood Sustainability Foundation, Workshop on Capacity Transfer, Barcelona Spain, March 2014

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Stockholm Resiliency Center. Globalization of Fisheries. Stockholm, March, 2013.

Co-organizer of Workshop on Transferable Effort as Rights-Based Management. National Marine Fisheries Service, International Seafood Sustainability Foundation, Nordic Council of Ministers, and University of the Basque Country, Bilbao, Spain, September, 2012.

Co-organizer of Workshop on Buybacks and Rights-Based Management in the Eastern Pacific Tropical Tuna Fishery. Inter-American Tropical Tuna Commission. Mexico City, April, 2012.

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Co-organizer of Kobe Taking Stocking Workshop. International Seafood Sustainability Foundation, La Jolla, California, 2011.

Co-organizer of Workshop on Allocation in Global Tuna Fisheries. International Seafood Sustainability Foundation, Cordoba, Spain, September, 2011.

Co-organizer of Workshop on Global Tuna Demand. University of Nantes. April, 2011.

Co-organizer of Workshop on Allocation. International Seafood Sustainability Foundation, Napa California, February, 2011.

Co-organizer of International Workshop on Global Tuna Demand, Fisheries Dynamics and Fisheries Management in the Eastern Pacific Ocean, Inter-American Tropical Tuna Commission, La Jolla, California, May, 2010.

Co-organizer of IIFET Special Session on Global Tuna Fisheries, Montpellier, France, July, 2010.

Co-organizer of Bellagio Conference on Sustainable Global Tuna Fisheries, May, 2010. Rockefeller Bellagio Conference Center, Bellagio, Italy.

Co-organizer of Workshop on Global Tuna Demand, Fisheries Dynamics and Fisheries Management in the Eastern Pacific Ocean, 2010. Inter-American Tropical Tuna Commission, La Jolla.

Project Leader, IGERT, National Science Foundation, 2009-20013.
Scripps Institution of Economics, University of California San Diego, and Southwest Fisheries Science Center IGERT - NSF Project 0903551 \$3,002,430

National Center for Ecological Analysis, Envisioning a Sustainable Global Seafood Market and Restored Marine Ecosystems. 2009-2012.

External Program Reviewer, Crawford School of Government, Australian National University. 2008.

Assessing the Performance of Australian Marine Capture Fisheries, Government of Australia. 2008-2009

Consultant, Review of Optimal Harvest Policies. Government of Australia. 2008.

Co-organizer of workshop, Technical Change in Renewable Resource Industries, Helsingor, Denmark, 2008.

Co-organizer of workshop, Rights-Based Management and Buybacks in International Tuna Fisheries, Scripps Institution of Oceanography, 2008. World Bank and Inter-American Tropical Tuna Commission

National Center for Ecological Analysis, Sea Turtles and Sea Birds. 2008.

Co-organizer of workshop, Economics and Management of International Tuna Fisheries, 2007. Southwest Fisheries Science Center, La Jolla

Co-organizer of Conservation and Management of the World's Fisheries, 2007
Rockefeller Bellagio Conference Center, Bellagio, Italy

National Center for Ecological Analysis, Property Rights. 2007.

Organizer of workshop on Fisheries Buybacks, 2006
Institute of the Americas, University of California San Diego

Consultant, Review of Harvest Strategies, Government of Australia, 2006

Sea Turtle Conservation and Artisanal Fisheries, WorldFish Center, Malaysia, 2004-2005.

Co-organizer of workshop, Conservation of Sea Turtles in the Pacific Ocean, 2003 Rockefeller Bellagio Conference Center, Bellagio, Italy

Co-Principal Investigator, IGERT, National Science Foundation, 2003-2009.
Scripps Institution of Economics, University of California San Diego, and Southwest Fisheries Science Center IGERT - NSF Project 033344 \$3,483,945

Technical Consultation on Global Tuna Purse Seine Capacity, Rome, Madrid, La Jolla 2003-2006
Food and Agriculture Organization of the United Nations (FAO)

Asian Bioeconomic Models.
WorldFish Center, Malaysia. 2002-2003.

Socioeconomic Analysis of Coastal Fisheries in Asia.
WorldFish Center, Malaysia. 2001-2002

U.S. Delegation to Renegotiate South Pacific Tuna Treaty, Samoa, Kiribati, Marshall Islands, 2001 - 2004.

Danish Institute of Fisheries Sciences. Project to evaluate capacity and utilization in Danish fisheries, 1999-2000.

Food and Agriculture Organization of the United Nations (FAO).
Technical Consultation to Measure Fishing Capacity, Mexico City.
(Follow-up to 1997 FAO Technical Working Group.) 1999.

International Service for National Agricultural Research (ISNAR),
European Centre for Development Policy Management (ECDPM), and the
German Technical Cooperation Agency (GTZ). "Closing the Loop: The Interface between Agricultural Research and Policy Making in Natural Resource Management," 1997.

Food and Agriculture Organization of the United Nations (FAO).
Co-organizer, FAO Technical Working Group to Measure Capacity and Capacity Utilization in Fisheries.
Wrote one of two background papers (on measurement) and served as local host, 1997.

Foundation for Research in Economics and Business Administration,
Norwegian School of Economics and Business Administration.

Consultant on aircraft landings rights, 1995.

University of Queensland - Australian Center for International Agricultural Research.
Consultant on South Pacific tuna project and worked with South Pacific Commission, 1995.

Agency for International Development (AID), REDSO WCA, Abijan.
Guidelines for Economic Analysis of Nontraditional AID Projects, 1993.

PROFESSIONAL ASSOCIATIONS:

American Economics Association
American Agricultural Economics Association

ACADEMIC, SCIENTIFIC, AND POLICY COMMITTEES:

Ph.D. Committees

2016-present. Kevin Ray, Department of Economics, University of California, San Diego.
2015-present, Adam Schlenger, Scripps Institution of Oceanography.
2014-present. Jeff Schrader, Department of Economics, University of California, San Diego.
2010-2014. Damien Kahekili Cie. Scripps Institution of Oceanography.
2007-2011. Benjamin Gilbert, Department of Economics. University of California, San Diego
2007-2010. Jake LaRivierie, Department of Economics, University of California, San Diego
2007-present. Travis Knowles, Department of Political Science, University of California, San Diego
2008-2010. Tara Scott, Virginia Institute of Marine Sciences, College of William and Mary.
2007. Jens Kjærsgaard, Department of Environmental Economics, University of Southern Denmark.
2005-2007. Jeffrey O'Hara, Department of Economics, University of California San Diego.
2005-2007. Jason Murray, Department of Economics, University of California San Diego.
2005-2007. Maria Damon, Department of Economics, University of California San Diego.
2000-2003. Jun Ye, Department of Economics, University of California San Diego.
1999. Yongil Jeon, Department of Economics, University of California San Diego.
1997-2002. (Co-Chair) Homero Crabra Muro, Faculty of Marine Sciences, Universidad Autonoma de Baja California.

Ph.D. External Defense Committees or Examiner

2016. Ingrid Kristine Pettersen. University of Stavanger, Norway.
2013. Christina Hicks, James Cook University.
2011. Thanh Viet Nguyen, University of Southern Denmark.
2010. Viet Ngu Hoang, Department of Economics, University of Queensland
2009. Hannah Parris, Australian National University.
2009. Nils-Arne Ekerhovd. Norwegian School of Economics and Business Administration
2006. Per Sandberg, Norwegian School of Economics and Business Administration
1998. Anthony Hand. Department of Economics, University of Queensland
1997. Alistair McIlgorm, Department of Economics, University of Queensland
1995. Rob Nicholl, Department of Economics, University of Queensland.

1994. M.B. Obwona, Australian National University.

M.Sc. and M.A. Students

2006 – present Capstone Projects, Scripps Institution of Oceanography
Numerous M.Sc. students

Food and Agriculture Organization of the United Nations

2003-2006. Technical Advisory Committee on Management of Global Tuna Fisheries
1999. Technical Consultation on Measuring Fishing Capacity, Mexico City.
1998. Technical Working Group on Managing Fishing Capacity, La Jolla.

U.S. Government

2016. Cost-Benefit Analysis of ELAPS. Pacific Island Regional Office, NOAA Fisheries, Honolulu, Hawaii.
2016. Workshop on Climate Change and Communities. NOAA Fisheries, Silver Springs, MD.
2014. Co-organizer of Workshop on Disproportionate Burden, Western Pacific Fisheries Management Council, Honolulu Hawaii.
2011. Review panel of Excessive Shares, Mid-Atlantic Fishery Management Council.
2000-2004. US Department of State. Delegate on missions to renegotiate the South Pacific Tuna Treaty
1999-2006. Co-Chair, Highly Migratory Species Plan Development and Management Teams, Pacific Fishery Management Council.
2003-2004. Excessive Shares in Individual Transferable Quota Programs Management Team, U.S. National Marine Fisheries Service
1998-2000. National Capacity Management Team, U.S. National Marine Fisheries Service.
1998-2000. National Subsidies Team, U.S. National Marine Fisheries Service
1991. Coastal Pelagic Fishery Management Team, Pacific Fishery Management Council.
1989-1991. Groundfish Management Team, Pacific Fishery Management Council.
1989-1990. Limited Entry Oversight Committee, Pacific Fishery Management Council.
1987-1989. Limited Entry Technical Advisory Group, Pacific Fishery Management Council.
1984-1986. Working Group on Limited Access Alternatives for Pacific Coast Groundfish, Pacific Fishery Management Council.

Scholarly Journals

2012-present, Editor, *Asia and the Pacific Policy Studies* journal.
2012-present, Editorial Board (Handling Editor), *Conservation Biology* journal.
2013-present, Editorial Board, *Land Economics* journal.
2008-present. Advisory Board, *Australian Journal of Agricultural and Resource Economics*
1997-2001. Associate Editor, *American Journal of Agricultural Economics*
1993-1994. Associate Editor, *Journal of Environmental Economics and Management*
1992-1994. Editorial Board, *Natural Resource Modeling and Management*
1992. Editorial Council, *Journal of Environmental Economics and Management*
1991-1994. Advisory Board, *Journal of Environment and Development*

Other

2011. Reviewer, NAFAE 2011 and European Environmental Economics Association
2002. Program Committee, Second World Conference of Environmental and Resource Economists.
1999-2001. Member, Advisory Panel, University of California Sea Grant
1997-2001. Graduate Faculty, Department of Agricultural and Resource Economics, Oregon State University
1997. Medium-Term Planning, International Center for Living Aquatic Resources , Management (ICLARM), Manila, Philippines. (Invited but declined due to scheduling conflict.)
1992-2000. External Advisor for Faculty Appointments, Universiti Putra Malaysia
1991. International Environmental Policy Project, University of California, San Diego
1991, 1993. Latin American Workshop on Natural Resource Modeling, CICESE, Ensenada, Mexico
1989-1998. External Examiner, Faculty of Economics and Management, Universiti Putra Malaysia.

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